

CD-SERIES  
BATTERY CHARGER & BOOSTER  
**SPECIFICATION**



Before operation, users should read this specification carefully

#### 1. NOTE:

- Turn off the power before taking off the charging collet of the battery;
- When charging up, it may generate inflammable gas, so fire and spark are strictly prohibited, and avoid erosion of rainwater, snow and dampness;
- The red collet goes to the positive terminal, while the black one goes to the negative terminal. Don't reverse the collets when charging;
- Don't use damaged wires and/or collets. The battery charger should avoid shake and crash when charging. And don't refresh frozen storage batteries.
- Must Use standard fuse;
- Before charging, clear the storage battery carefully and check its initial voltage.

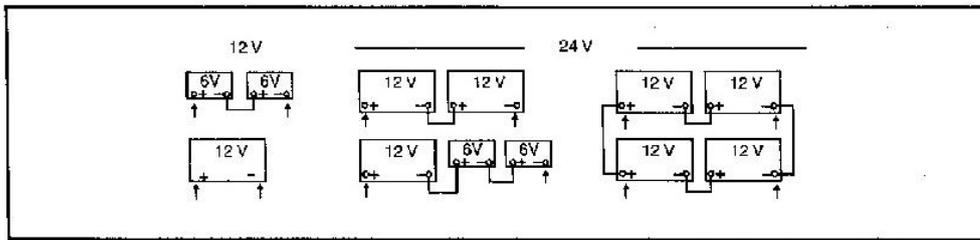
#### 2. PRINCEPLE

When charging, the charging current lies on the type of storage battery, generally is about 10% of the max current of the battery.

Time: Upon to the type of storage battery. The formula is : Charging Time = Battery current / charging current.

Additionally, with the charging time goes by, the charging current will drop, so the actual charging time should 1/4 time loner than theoretical time..

This machine can refresh one or more batteries simultaneously as show below. Certainly, the charging time will expand.



When refresh the storage batteries for vehicles ,the charging collets should be removed. When starting vehicles please note:  
 Firstly, when starting high-power engine. It is better to make quick charge of about 15 minutes before starting;  
 Secondly, when starting diesel motor, for warm up the spark plug before starting. When collecting the collets, the red collet goes to the positive terminal while the black one goes to the negative terminal.

### 3. OPERATION:

FOR BOOSTER-230T,-330,430;

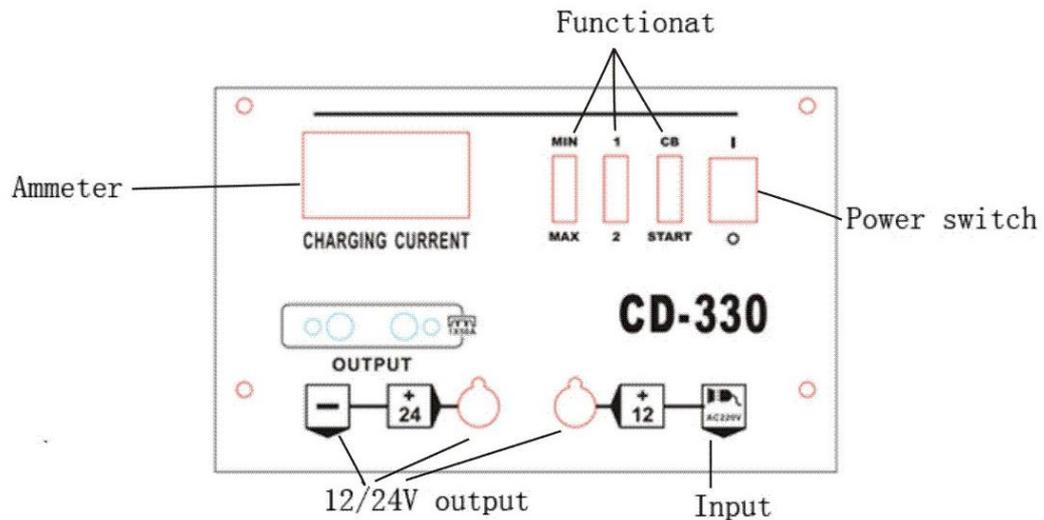
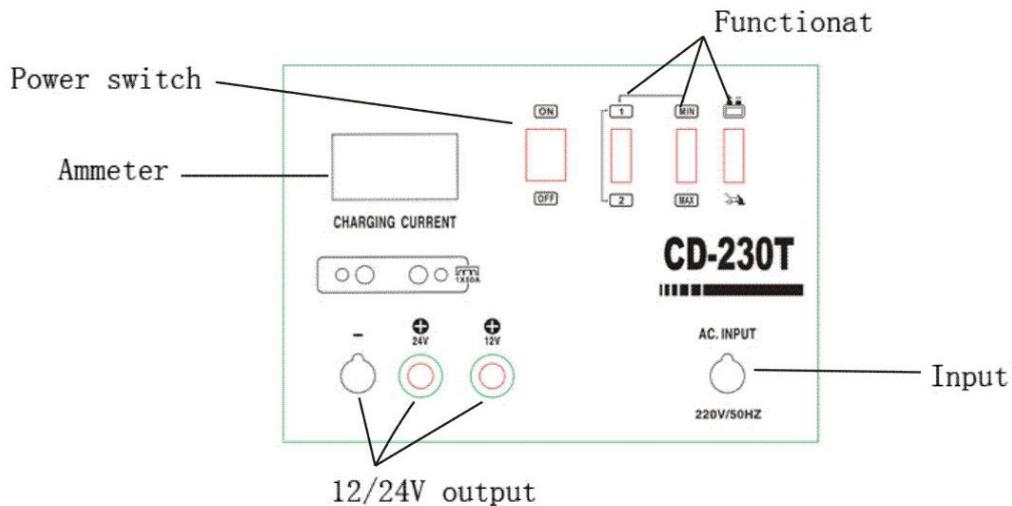
- 1) Choose appropriate voltage (12V or 24V), and connect the charging collets well;
- 2) Turn on switch 2 to CB, and switch MIN MAX, and switch 3 to (low-charge) or to 2 (quick charge);
- 3) Turn on switch 1 to I, and begin to charge;
- 4) When starting engine of vehicles, first turn on switch 2 to "start", then turn on switch 1 to I, wait for 2 minutes, at last start the engine for 4 to 5 seconds. If the engine will not start for 3 or 4 time, please wait for 10 minutes and repeat the operation mentioned above.

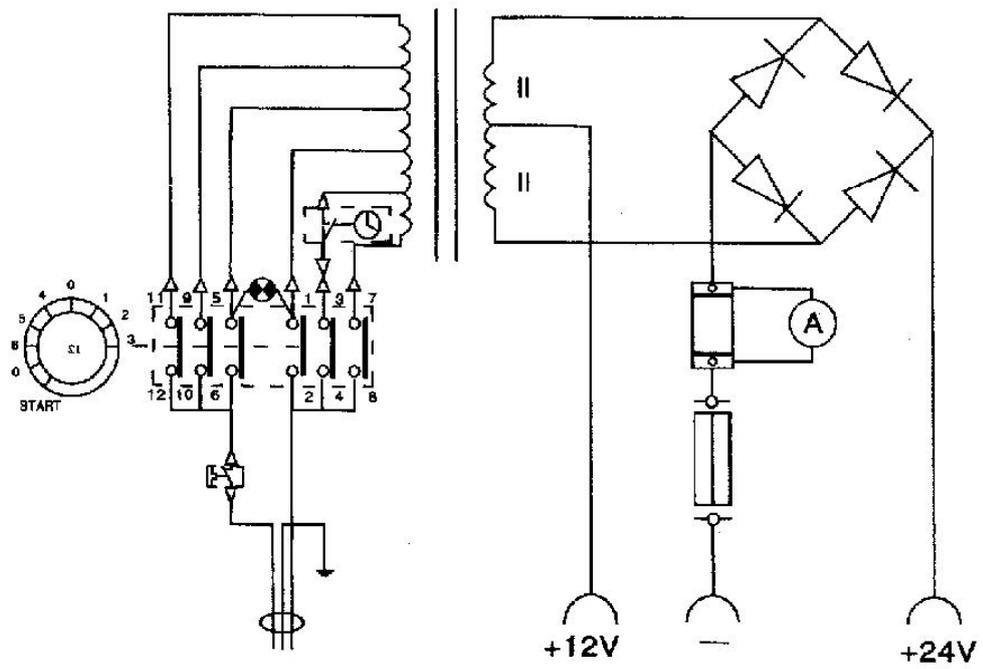
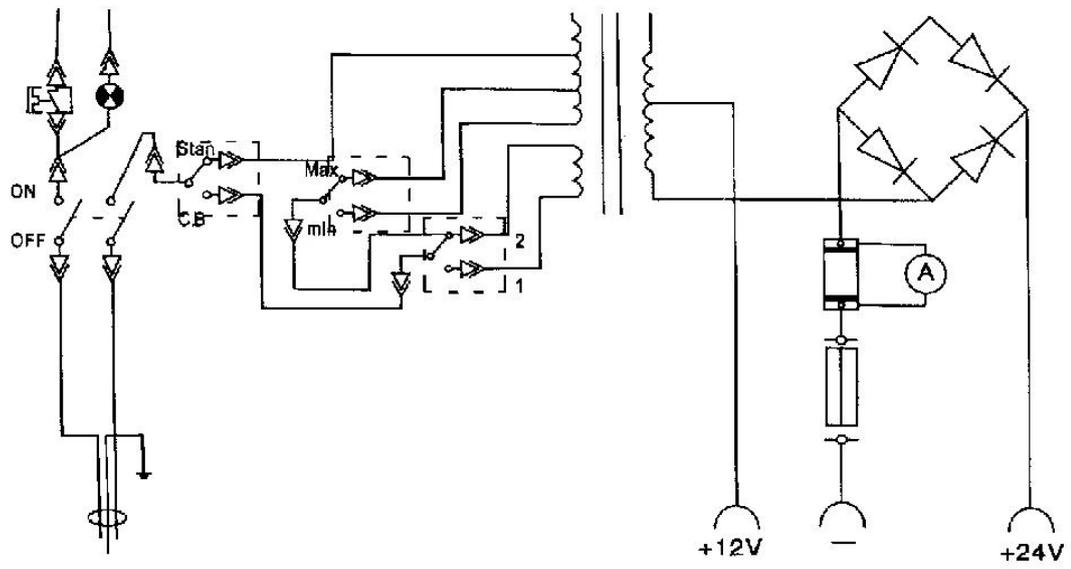
For BOOSTER-530,630:

- 1) Choose appropriate voltage(12V or 24V),and connect the charging collets well;
- 2) Turning on switch 1 to 1,2 or 3 is slow charge,while to 4,5 or 6 is Quick Charge.Quick charging time usually is 1 hour, controlled by timer.
- 3) When starting engine of vehicles, first turn on the switch 1 to "Start",wait for 2 minutes,and start the engine for 4 or 5 seconds.If the engine will not start for 3 or 4 times, please wait for 10 minutes and repeat and the operation mentioned above.

#### 4.APPENDIX

Drawing for equipment installation and instruction panel.





# Assemble Diagram

